

AN 1996:87852 HCAPLUS

DN 124:296294

TI Free-cutting lead-free brass alloys

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SO Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07310133	A2	19951128	JP 1994-123213	19940512
	JP 3335002	B2	20021015		
PRAI	JP 1994-123213		19940512		
AB	The alloys have high resistance to dezincification and wear, and they contain Zn 20-45; Bi 0.2-4; Sn 0.2-3; Ni ≤4, Si ≤3, Al ≤6, Mn ≤5, and/or Sb ≤1; and/or Fe ≤3, Co ≤3, Ti ≤3, Mo ≤1, Cr ≤1, Zr ≤2, and/or Nb ≤1%. The alloys contain Zn 22-42; Bi 0.5-2; Sn 0.5-2; Ni ≤4, Si ≤4, Al ≤6, Mn ≤5, and/or Sb ≤1; and/or Fe ≤3, Co ≤3, Ti ≤3, Mo ≤2, Cr ≤2, Zr ≤2, and/or Nb ≤2%. The alloys contain ≤0.4% Pb. The alloys are useful for sliding materials such as bearings for seawater pumps.				